

BRUHAT BANGALORE MAHANAGARA PALIKE**BYATARAYANA PURA DIVISION**

Name of Work: Construction of RCC Drain & RCC Culverts, near OM Circle main roads and surrounding area at Kattigenahalli Village in Ward No.05

ESTIMATE COST :56.00 Lakhs

Executive Engineer,
BYATARAYANAPURA DIVISION,

BRUHATH BENGALORE MAHANAGARA PALIKE YALAHANKA ZONE

Name of Work : Construction of RCC Drain & RCC Culverts, near OM Circle main roads and surrounding area at Kattigenahalli Village in Ward No.05

						Estimated Cost:56.00 Lkhs			
SI No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil involving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 142/ Item No. 19.1/ PWD SR 2018-19)								
	Kattigenahalli								
	OM Circle								
	For RCC Drain								
	2nd Cross	2	79.00	1.10	1.00	173.80			
	3rd Cross	2	192.00	1.10	1.00	422.40			
	For RCC Culvert								
	3rd Cross								
	RHS	2	6.00	1.70	1.00	20.40			
		2	7.50	1.70	1.00	25.50			
		1	4.50	1.50	1.00	6.75			
	LHS	3	5.70	1.50	1.00	25.65			
						674.50	Cum	220.40	148659.80
	Basic Rate	130.00							
	Loading and Unloading	57.00							
	Lead For Earth 10km	25.60							
	Area Weightage 6%	7.80							
	Data Rate	220.40							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 PWD SR 2018-19)								
	Kattigenahalli								
	OM Circle								
	For RCC Drain								
	2nd Cross	2	79.00	1.10	0.15	26.07			
	3rd Cross	2	192.00	1.10	0.15	63.36			
	For RCC Culvert								
	3rd Cross								
	RHS	2	6.00	1.70	0.15	3.06			
		2	7.50	1.70	0.15	3.83			
		1	4.50	1.50	0.15	1.01			
	LHS	3	5.70	1.50	0.15	3.85			
						101.18	Cum	5509.33	557406.13
	Basic Rate	5115.00							
	Deduct Cement cost as per SR -18-19	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	5197.48							
	Area Weightage 6%	311.85							
	Grand Total	5509.33							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271 PWD SR 2018-19)								
	Kattigenahalli								
	OM Circle								
	Bottom Raft								
	For RCC Drain								
	2nd Cross	2	79.00	0.90	0.15	21.33			

SI No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3rd Cross	2	192.00	0.90	0.15	51.84			
	For RCC Culvert								
	3rd Cross								
	RHS	2	6.00	1.50	0.15	2.70			
		2	7.50	1.50	0.15	3.38			
		1	4.50	1.20	0.15	0.81			
	LHS	3	5.70	1.20	0.15	3.08			
	For RCC Wall								
	For RCC Drain								
	2nd Cross	4	79.00	0.15	0.75	35.55			
	3rd Cross	4	192.00	0.15	0.75	86.40			
	For RCC Culvert								
	3rd Cross								
	RHS	4	6.00	0.30	0.75	5.40			
		4	7.50	0.30	0.75	6.75			
		2	4.50	0.23	0.75	1.55			
	LHS	6	5.70	0.30	0.75	7.70			
						226.48	Cum	7189.42	1628263.03
	Basic Rate	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V SI.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total	6782.47							
	Area Weightage 6%	406.95							
	Grand Total	7189.42							
4	KSRRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (I No-28.8.2, P No-229 PWD SR 2018-19)								
	Consider 65kg/Cum for drain	1	195.12	65.00		12682.80			
	Consider 90kg/Cum for culvert	1	31.36	90.00		2728.36			
						15.41	Tonne	72326.98	1114642.91
	Basic Rate	68233.00							
	Area Weightage 6%	4093.98							
	Data Rate	72326.98							
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. (Data Rate)								
	For RCC Drain								
	2nd Cross	2	48.00	0.90		86.40			
	3rd Cross	2	192.00	0.90		345.60			
						432.00	Sqm	2337.00	1009584.00
	Data Rate	2337.00							
6	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum, with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008, Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and pointing for joints 1:3 cement mortar including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of Engineer in-Charge. (Data Rate)								
	For RCC Culvert								
	3rd Cross								
	RHS	2	6.00	1.50		18.00			
		2	7.50	1.50		22.50			
		1	4.50	1.50		6.75			
	LHS	3	5.70	1.20		20.52			
						67.77	Sqm	5418.00	367177.86
	Data Rate	5418.00							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Total Construction Cost								4825733.73
	GST Charges 12%								579088.05
	KRIDL Charges 4%								193029.35
	Sub Total								5597851.13
	Utility Shifting, Miscellaneous and Rounding off								2148.87
	GRAND TOTAL								5600000.00

Certificate

- 1) This Work Comes Within BBMP Limits.
- 2) Certified that personally Inspected the Work Spot.
- 3) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19 & issued rate Dated. 21/10/2019
- 4) Estimate is Prepared Making Use of essential item of work as per site conditions in safest way of Execution in most economical way
- 5) This work is not include in any other program of work.

[Signature]
Assistant Engineer
Ward No.05

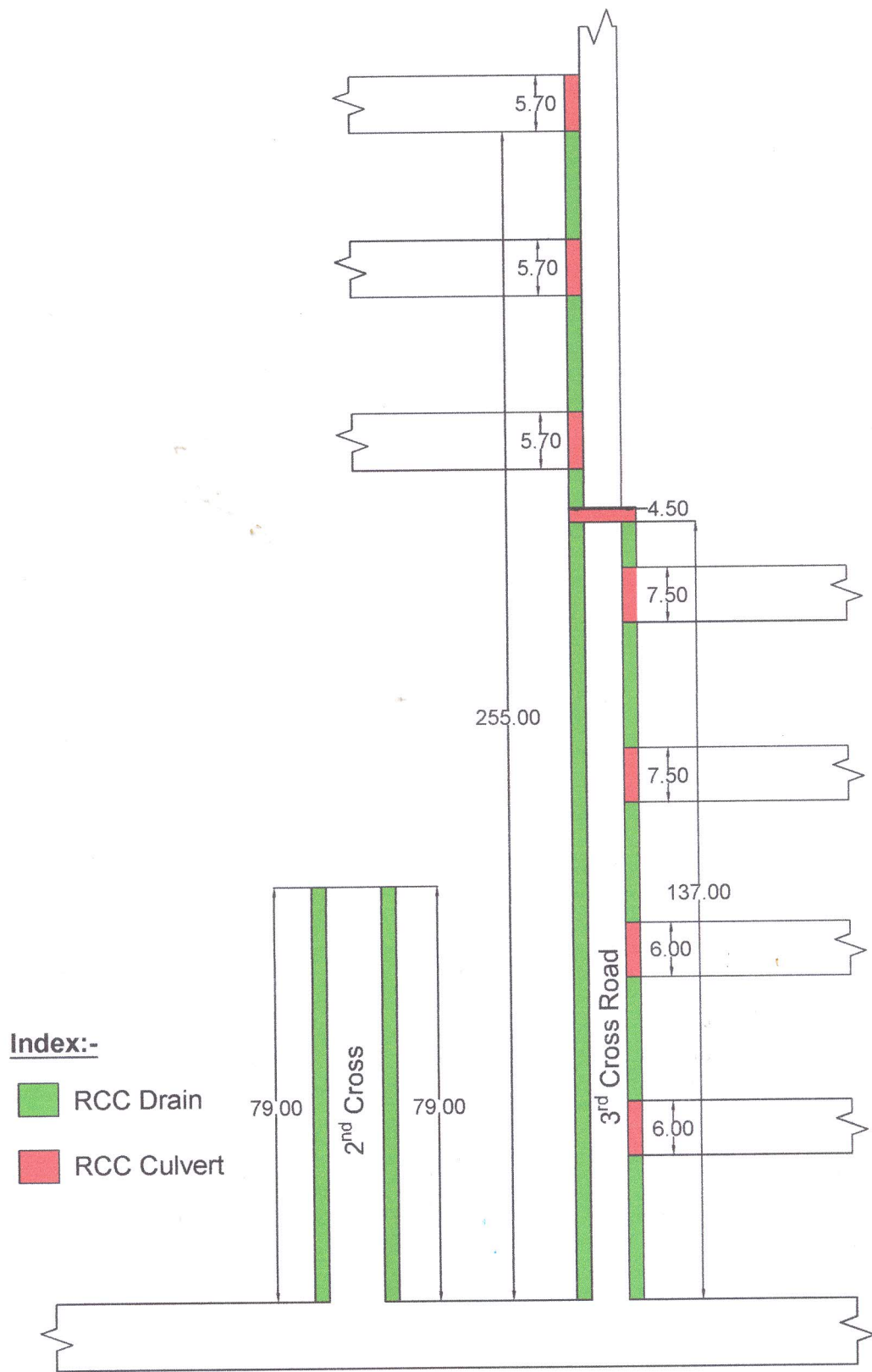
[Signature]
Asst. Executive Engineer,
Byatarayanapura Sub division,

[Signature]
Executive Engineer,
Byatarayanapura Division

ADMINISTRATIVE APPROVAL	
Accorded For Rs.	56.00 Lache only
Head of A/c.	P3736
Div. Ref. No.	119/19-20
Date	16-3-2020
<i>[Signature]</i> AE	<i>[Signature]</i> EE(BTP)

Total cost sanctioned for Rs. 56,00,000/-	
Rs in Words FIFTY SIX LAKH ONLY	
Under	P 3736
Job Code No.	005-20-000082
Registered as SE(Y)/TS/	43 / 2019-20
to conditions contained in enclosed memo	
No.	43 / 2019-20
Dated:	16/3/2020
<i>[Signature]</i> 16/3/2020	

Name of Work :- Construction of RCC Drain & RCC Culverts, near OM Circle main roads and surrounding area at Kattigenahalli Village in Ward No.05



[Signature]
Assistant Engineer
Ward No.05

[Signature]
Assistant Executive Engineer
Byatarayanapura Sub division,